Antibiotics in RAMADAN

Prepared by :

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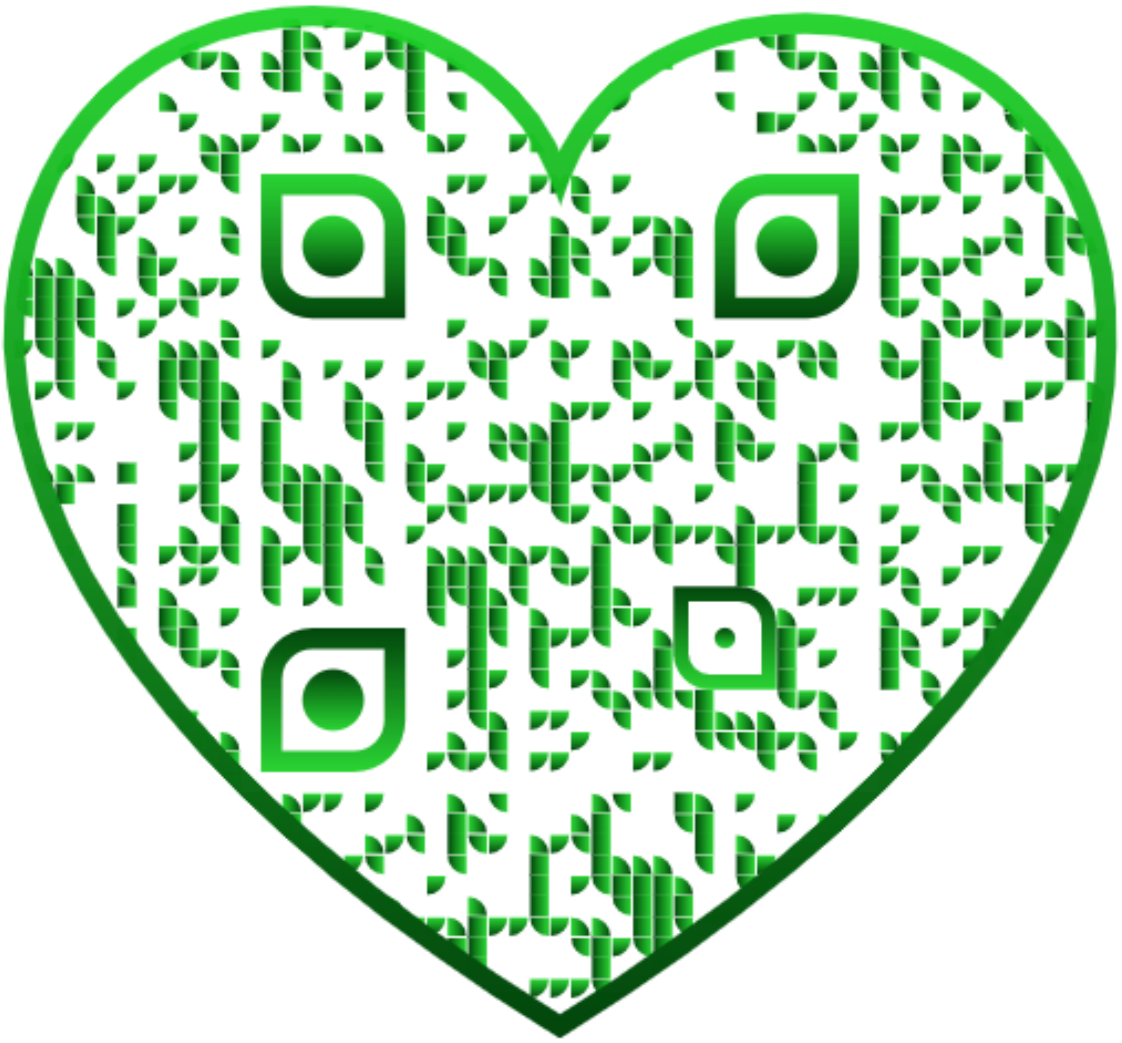
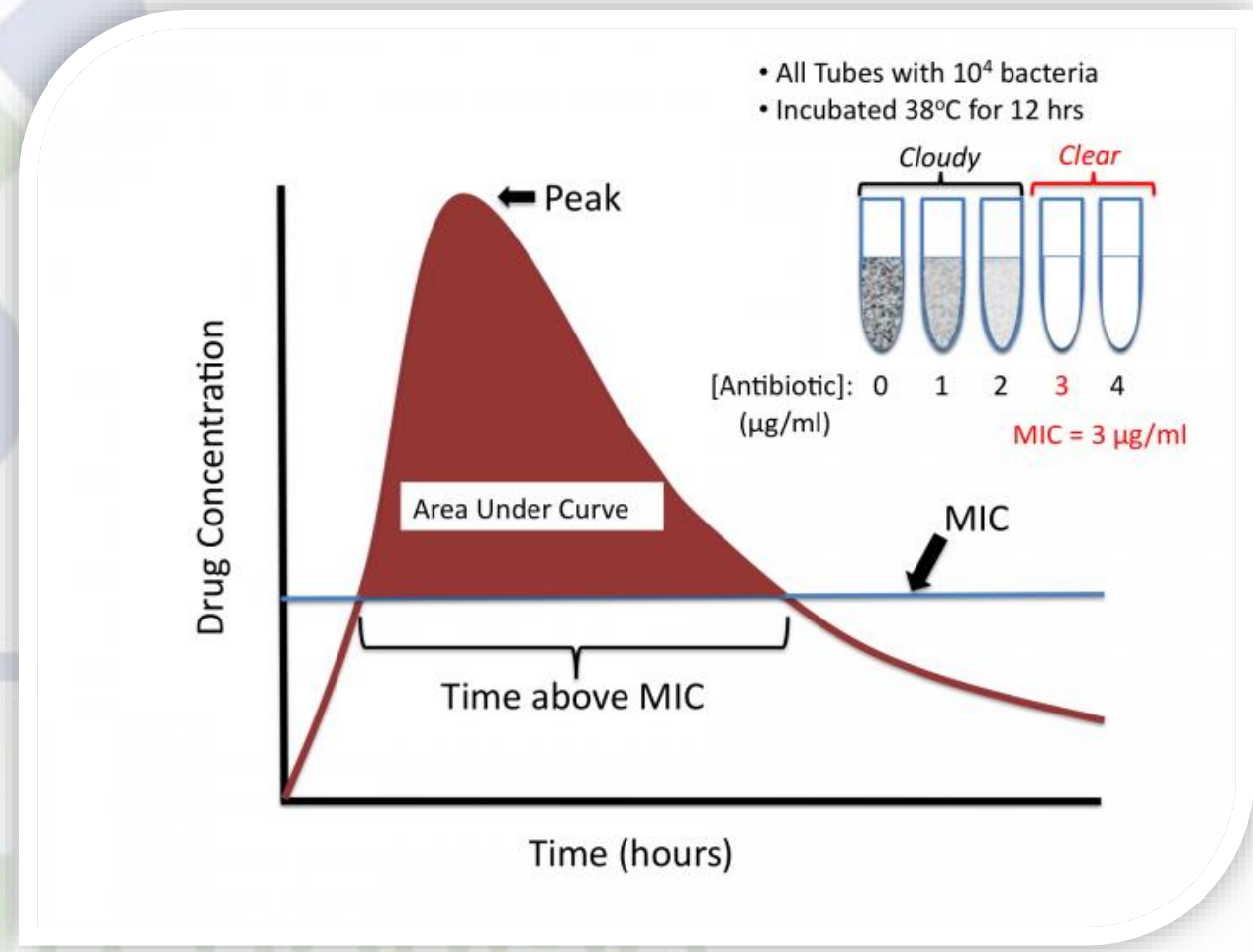


Pharmacodynamics of Antibiotics:

1) Time - dependent:

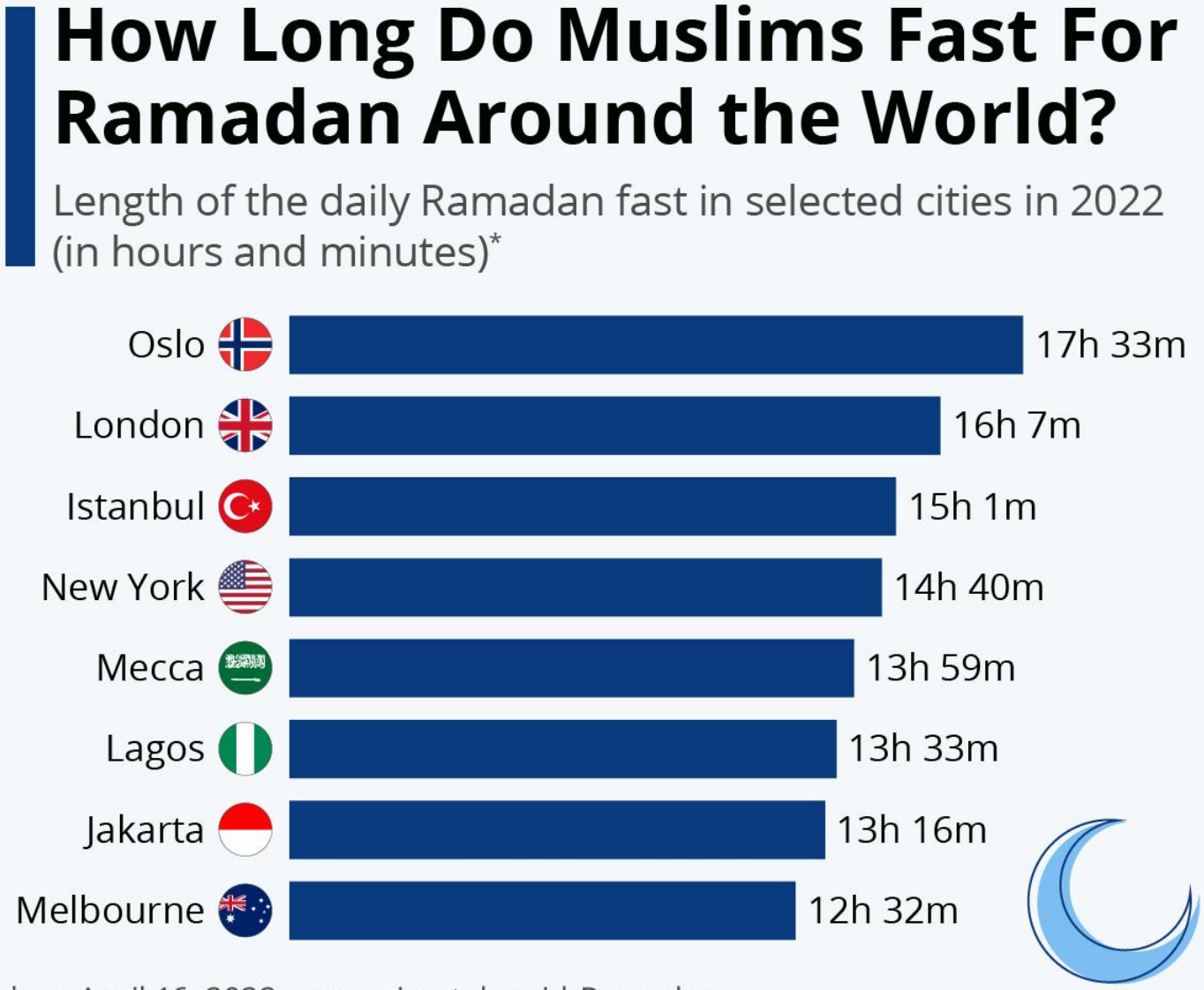
- **Duration** of serum drug conc above the MIC.
- Beta-lactams, macrolides, lincosamides & vancomycin.



2) Concentration - dependent:

- **Ratio** of peak serum drug conc/MIC.
- Aminoglycosides & fluoroquinolones.

Fasting Hours



Lower Respiratory Tract Infection

β-lactamase–producing strains of Haemophilus influenzae and Moraxella catarrhalis

Mild to moderate: 500/125 mg PO q12hr or 250/125 mg PO q8hr for 10 days

Severe: 875/125 mg PO q12hr or 500/125 mg PO q8hr or 2000 mg (2 extended-release tabs) PO q12hr for 7-10 days

Amoxicillin/clavulanate
(a beta-lactam)

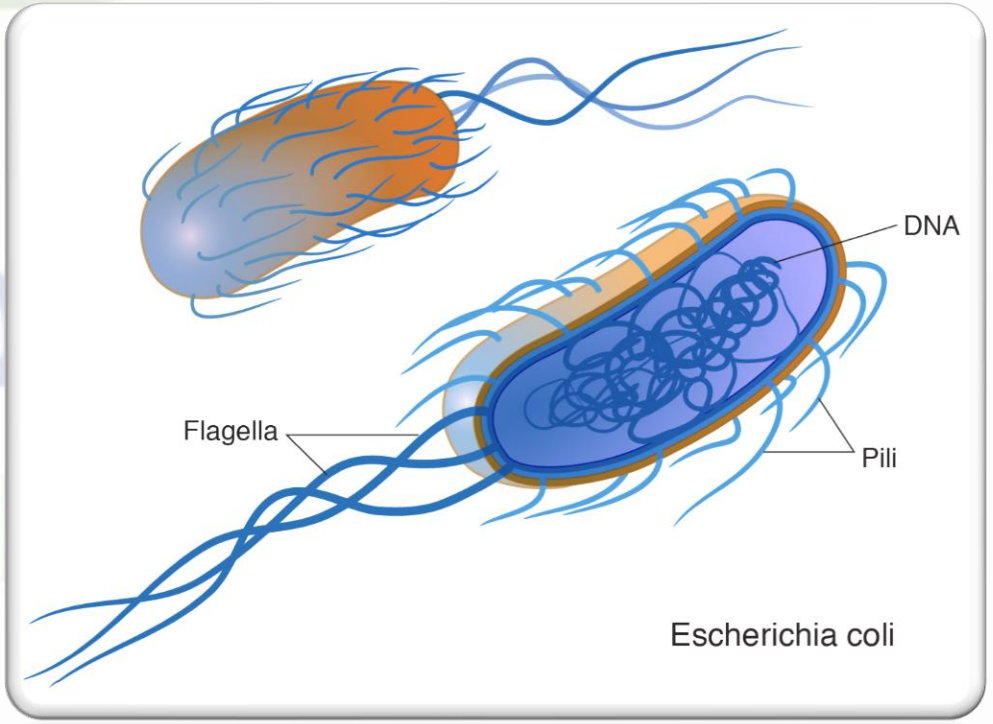
Infectious Diarrhea

Mild/moderate/severe: 500 mg PO q12hr for 5-7 days

Ciprofloxacin
(a fluoroquinolones)

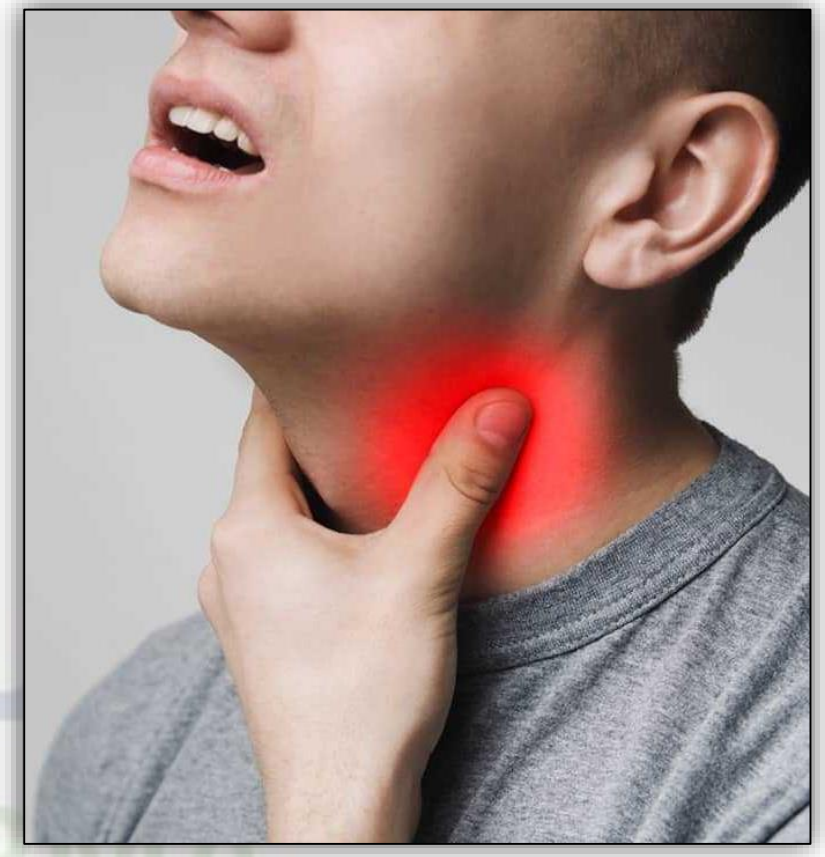
Common Bacterial Infections & Single-daily-dose Antibiotics:

1) Pharyngitis/tonsillitis (sore throat).
2) Acute Sinusitis.
3) Skin infections.
4) Uncomplicated cystitis (women).
5) Traveler's diarrhea.



Pharyngitis/tonsillitis (sore throat):

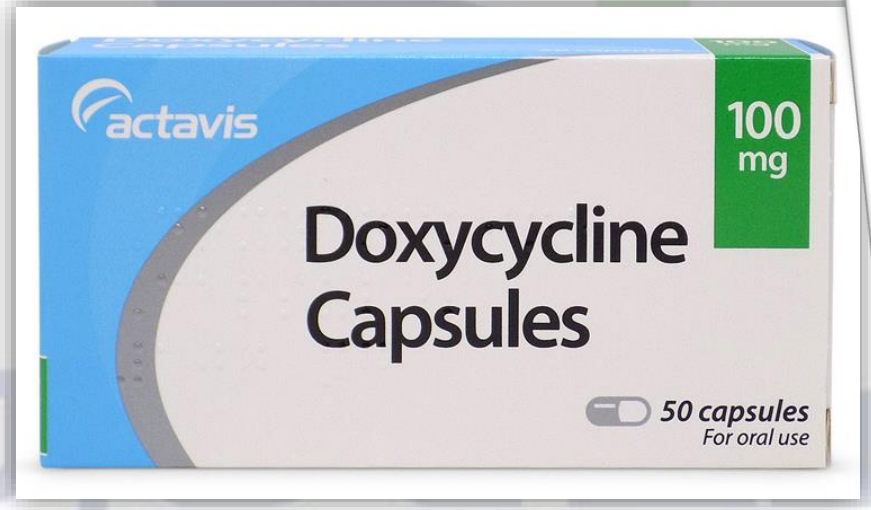
- **Cefadroxil** 1000 mg every 24 hours for 10 days.

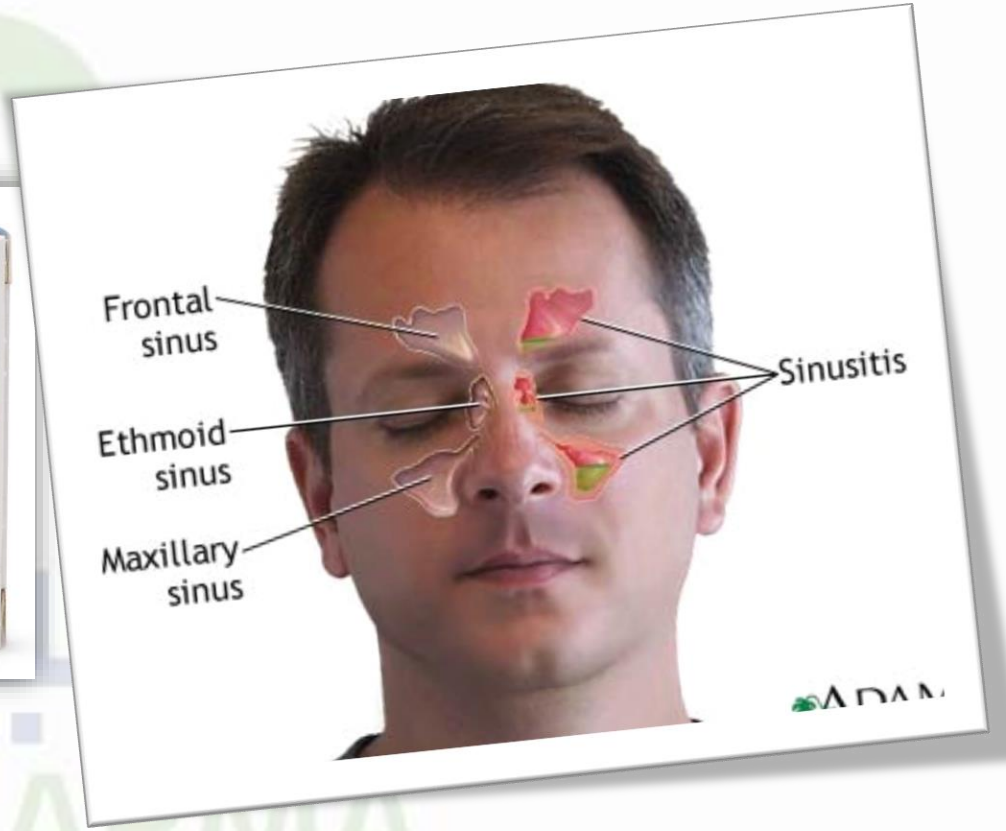


- **Azithromycin** 500 mg every 24 hours for 3 days.
- **Roxithromycin** 300 mg every 24 hours for 5-10 days.

Acute Bacterial Sinusitis:

- **Cefdinir** 600 mg every 24 hours for 10 days.





- **Doxycycline** 200 mg initially, then 100 mg every 24 hours for 5 days in total.
- **Levofloxacin** 500 mg every 24 hours for 10-14 days.

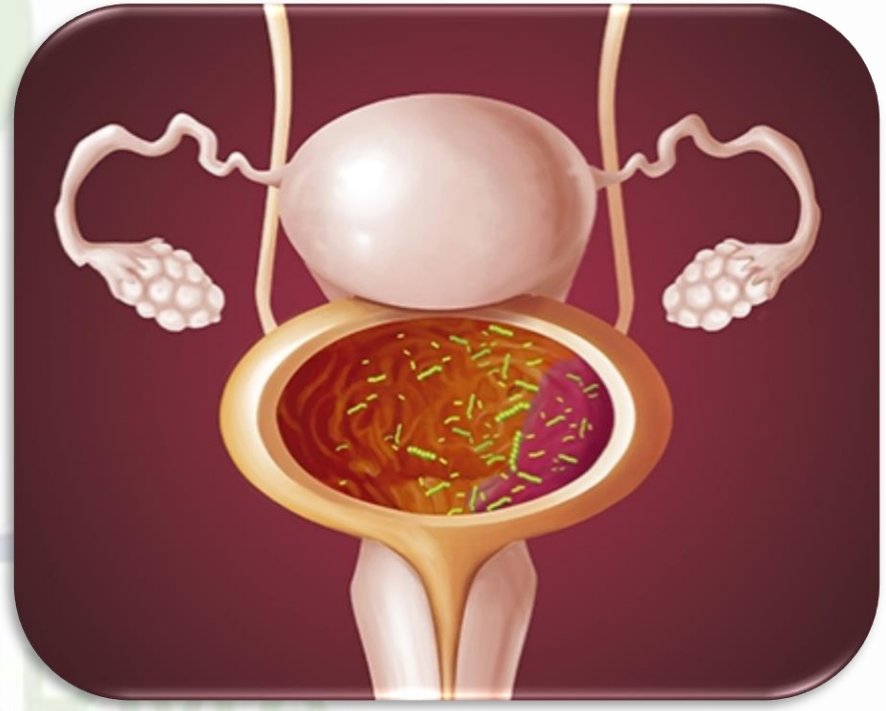
Skin Infections:

- **Cefadroxil** 1000 mg every 24 hours.

- **Doxycycline** 200 mg initially, then 100-200 mg every 24 hours.
- **Levofloxacin** 500-750 mg every 24 hours.

Uncomplicated Cystitis (in women)

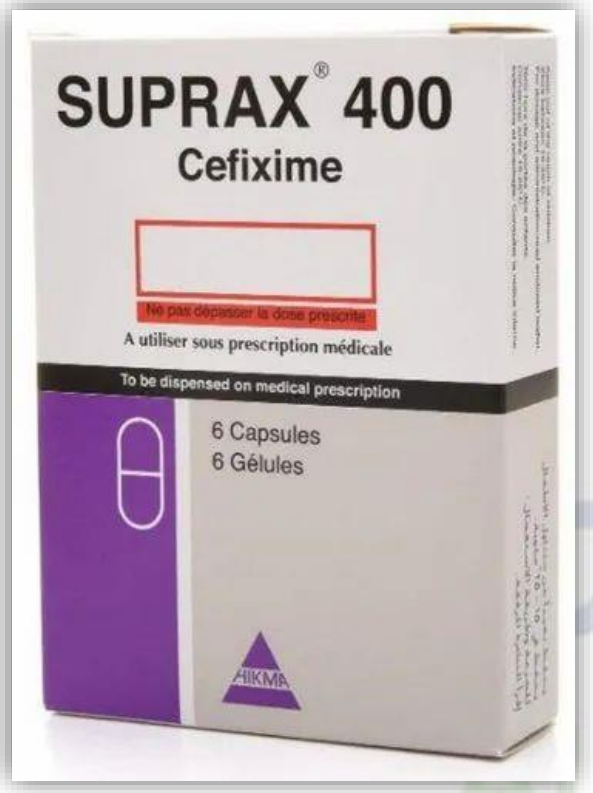
- **Fosfomycin** 3000 mg (single dose).

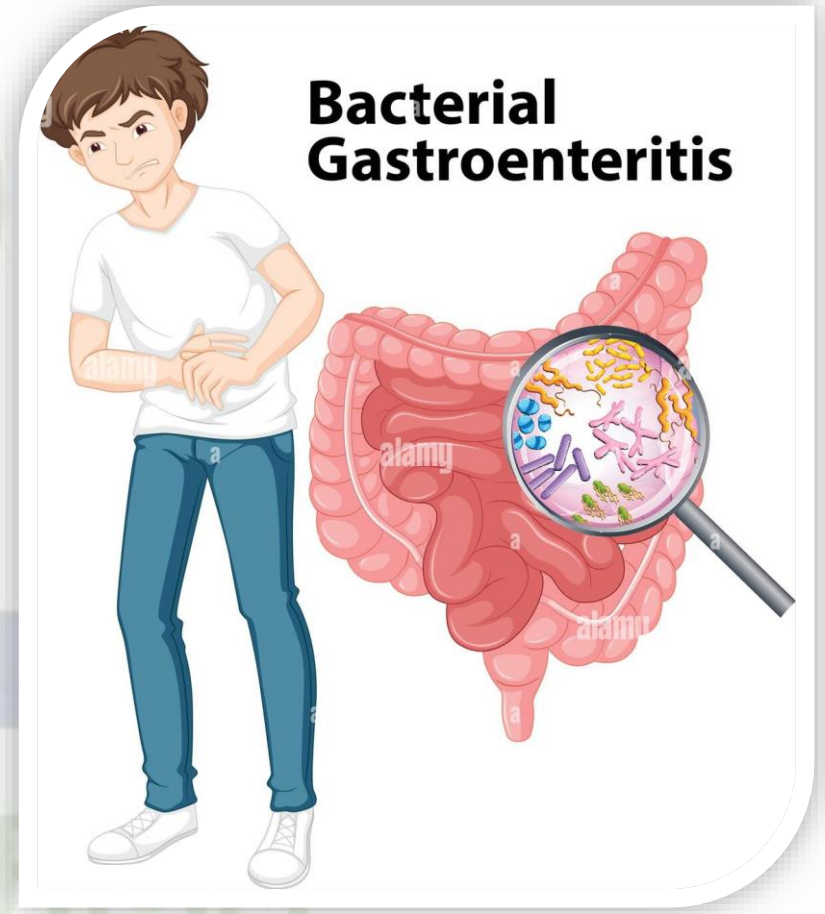


- **Cefadroxil** 1000-2000 mg every 24 hours, for 5-7 days.
- **Levofloxacin** 250 mg every 24 hours, for 3 days.

Traveler’s diarrhea:

- **Azithromycin** 500 mg every 24 hours, for 3 days.





- **Cefixime** 400 mg every 24 hours, for 6 days.
- **Levofloxacin** 500 mg every 24 hours, for 3 days.

THANK YOU